

07/14/2009

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions,
and listings, of claims in the application:

LISTING OF CLAIMS:

1-11. (canceled)

12. (currently amended) An electrolytic device for disinfecting water in a water supply system by generation of active chlorine, ~~comprising~~ consisting essentially of:

an electrolytic cell provided with electrodes over which a voltage difference is applied,

a generator for supplying the voltage difference for the electrolytic cell, which generator is driven by the water in the water supply system,

a supply pipe for the electrolytic cell that is connected to the water supply system and which guides a part of the water flow in the water supply system to the electrolytic cell

a discharge pipe for the electrolytic cell that is connected to the water supply system downstream of the location where the supply pipe for the electrolytic cell is connected to the water supply system and which discharges the water treated in the electrolytic cell to the water supply system,

a salt dosing device containing a compound capable of supplying chloride ions,

a supply pipe for the salt dosing device which is connected to the supply pipe for the electrolytic cell and which supplies at least a part of the water in the supply pipe for the electrolytic cell to the salt dosing device for supplying chloride ions to the water to be treated in the electrolytic cell,

a discharge pipe for the salt dosing device which is connected to the supply pipe for the electrolytic cell downstream of the location where the supply pipe for the salt dosing device is connected and which guides the water containing chloride-ions from the salt dosing device to the supply pipe for the electrolytic cell, and

means for regulating the ratios of the water flow in the water supply system, the feeding for the electrolytic cell and the feeding for the salt dosing device comprising:

constrictions and/or regulating valves accommodated in the water supply system between the location where the supply pipe for the electrolytic cell is connected to the water supply system and the location where the discharge pipe for the electrolytic cell is connected to the water supply system, the supply pipe for the electrolytic cell, the discharge pipe for the electrolytic cell, the supply pipe for the salt dosing device and/or the discharge pipe for the salt dosing device, and

a blade wheel connected with the generator for driving the generator and accommodated in the water supply system downstream

of the location where the supply pipe for the electrolytic cell is connected to the water supply system and upstream of the location where the discharge pipe of the electrolytic cell is connected to the water supply system.

13-16. (canceled)

17. (previously presented) An electrolytic device according to claim 12, the electrolytic cell being a membrane electrolytic cell.

18. (canceled)

19. (previously presented) An electrolytic device according to claim 12, the generator being a DC generator.

20. (currently amended) An electrolytic device according to claim [[18]] 12, the generator comprising a DC dynamo.

21. (currently amended) A method for disinfecting water in a water supply system, comprising consisting essentially of:

generating active chlorine using an electrolytic device comprising an electrolytic cell provided with electrodes over which a voltage difference is applied, a generator for supplying the voltage difference for the electrolytic cell, which generator

is driven by the water in the water supply system, wherein a part of the water in the water supply system is branched off to form a feeding for the electrolytic cell, at least a part of the feeding for the electrolytic cell is guided through a salt dosing device containing a compound capable of supplying chloride ions, and subsequently is combined with the other part of the feeding for the electrolytic cell, the feeding containing chloride-ions for the electrolytic cell being electrolysed in the electrolytic cell and subsequently being guided back to the water supply system, wherein the ratios of the flow in the water supply system, the feeding for the electrolytic cell and the feeding for the salt dosing device are regulated by means comprising constrictions and/or regulating valves and by the pressure drop over a blade wheel accommodated in the water supply system downstream of the location where the supply pipe for the electrolytic cell is connected to the water supply system and upstream of the location where the discharge pipe of the electrolytic cell is connected to the water supply system and connected with the generator for driving the generator.

22.(currently amended) An electrolytic device for disinfecting water in a water supply system by generation of active chlorine, comprising consisting essentially of:

an electrolytic cell provided with electrodes over which a voltage difference is applied,

a generator for supplying the voltage difference for the electrolytic cell, which generator is driven by the water in the water supply system,

a supply pipe for the electrolytic cell that is connected to the water supply system and which guides a part of the water flow in the water supply system to the electrolytic cell

a discharge pipe for the electrolytic cell that is connected to the water supply system downstream of the location where the supply pipe for the electrolytic cell is connected to the water supply system and which discharges the water treated in the electrolytic cell to the water supply system,

a salt dosing device containing a compound capable of supplying chloride ions,

a supply pipe for the salt dosing device which is connected to the supply pipe for the electrolytic cell and which supplies at least a part of the water in the supply pipe for the electrolytic cell to the salt dosing device for supplying chloride ions to the water to be treated in the electrolytic cell,

a discharge pipe for the salt dosing device which is connected to the supply pipe for the electrolytic cell downstream of the location where the supply pipe for the salt dosing device is connected and which guides the water containing chloride-ions from the salt dosing device to the supply pipe for the electrolytic cell, and

a device configured for regulating the ratios of the water flow in the water supply system, the feeding for the electrolytic cell and the feeding for the salt dosing device comprising:

constrictions and/or regulating valves accommodated in the water supply system between the location where the supply pipe for the electrolytic cell is connected to the water supply system and the location where the discharge pipe for the electrolytic cell is connected to the water supply system, the supply pipe for the electrolytic cell, the discharge pipe for the electrolytic cell, the supply pipe for the salt dosing device and/or the discharge pipe for the salt dosing device, and

a blade wheel connected with the generator for driving the generator and accommodated in the water supply system downstream of the location where the supply pipe for the electrolytic cell is connected to the water supply system and upstream of the location where the discharge pipe of the electrolytic cell is connected to the water supply system.

23. (canceled)

24. (previously presented) An electrolytic device according to claim 22, the electrolytic cell being a membrane electrolytic cell.

25. (canceled)

26.(previously presented) An electrolytic device according to claim 22, wherein the generator is a DC generator.

27.(currently amended) An electrolytic device according to claim [[25]] 22, wherein the generator is a DC dynamo.

28.(previously presented) An electrolytic device according to claim 12, wherein at a flow rate of 1000 l/h of drinking water, the generator will produce a current of approximately 0.2-0.4 A.

29.(previously presented) An electrolytic device according to claim 12, wherein an electrode surface is approximately 0.2 dm² for a current of 0.4 A.

30.(previously presented) A method according to claim 21, wherein at a flow rate of 1000 l/h of drinking water, the generator will produce a current of approximately 0.2-0.4 A.

31.(previously presented) A method according to claim 21, wherein an electrode surface is approximately 0.2 dm² for a current of 0.4 A.

32.(previously presented) An electrolytic device according to claim 22, wherein at a flow rate of 1000 l/h of drinking water, the generator will produce a current of approximately 0.2-0.4 A.

33.(previously presented) An electrolytic device according to claim 22, wherein an electrode surface is approximately 0.2 dm² for a current of 0.4 A.